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| <p>(21) International Application Number: PCT/GB99/02127</p> <p>(22) International Filing Date: 2 July 1999 (02.07.99)</p> <p>(30) Priority Data:</p> <table border="0"> <tr> <td>9814464.5</td> <td>4 July 1998 (04.07.98)</td> <td>GB</td> </tr> <tr> <td>9824899.0</td> <td>13 November 1998 (13.11.98)</td> <td>GB</td> </tr> <tr> <td>9825243.0</td> <td>19 November 1998 (19.11.98)</td> <td>GB</td> </tr> </table> <p>(71) Applicant (for all designated States except US): WHITLAND RESEARCH LIMITED [GB/GB]; Whitland Abbey, Whitland, Carmns SA34 0LG (GB).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): PARKER, Dawood [GB/GB]; Whitland Abbey, Whitland, Carmns SA34 0LG (GB). HARRISON, David, Keith [GB/GB]; 5 Dryburn View, Durham DH1 5AP (GB).</p> <p>(74) Agent: GILHOLM, Steve; Harrison Goddard Foote, Belmont House, 20 Wood Lane, Leeds LS6 2AE (GB).</p> | | 9814464.5 | 4 July 1998 (04.07.98) | GB | 9824899.0 | 13 November 1998 (13.11.98) | GB | 9825243.0 | 19 November 1998 (19.11.98) | GB | <p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report.</p> |
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| <p>(54) Title: NON-INVASIVE MEASUREMENT OF BLOOD ANALYTES</p> | | | | | | | | | | | |
| <p>(57) Abstract</p> <p>There is described a device for the non-invasive measurement of one or more analytes in blood in a patient's body part which comprises a light transmitter comprising a plurality of transmitting fibres positioned to transmit light to the body part and a light detector comprising a plurality of light detector fibres position to detect light transmitted through or reflected from the body part. The device especially utilises the non-pulsatile element of a patient's blood. There is also described a method of measuring blood glucose levels and a device programmed so as to calculate one or more of the haemoglobin index, the oxygen index and the blood oxygen saturation.</p> | | | | | | | | | | | |